



05-24-04

IFW

Practitioner's Docket No. 1001-012C1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael J. Czaplicki

Application No.: 10/696,314

Group No.: 1733

Filed: October 29, 2003

Examiner: Unknown

For: HEAT-ACTIVATED STRUCTURAL FOAM REINFORCED HYDROFORM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits this statement in accordance with his duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Copies of some foreign patent documents and non-patent literature together with a listing on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of the remaining foreign patent documents and non-patent literature have not been provided due to their presence in the parent application to this application. Copies of cited U.S.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

☒ deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EV364952550US, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 5-21-04

FACSIMILE

☐ transmitted by facsimile to the Patent and Trademark Office.

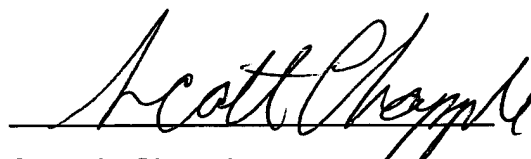
Wendy Morgan
Signature

WENDY MORGAN
(type or print name of person certifying)

patents and U.S. patent application publications have not been provided due to the waiver of the requirement under 37 CFR 1.98 (a)(2)(i). Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application.

This Information Disclosure Statement is being submitted prior to the mailing of a first Office Action or Notice of Allowance. No fees are believed to be due, however, if any fee is due with the filing of this paper please charge the amount to deposit account 50-1097.

Date: 5-20-04



Scott A. Chapple
Registration No. 46,287
Dobrusin & Thennisch PC
401 South Old Woodward Avenue
Suite 311
Birmingham, MI 48009
248-593-9900
Customer No. 25215

| | | | | | |
|---|--|------------------------------------|--|------------------------------|--|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | Atty. Docket Number 1001-012C1 | | Serial Number: 10/696,314 | |
| | | Applicant(s): Michael J. Czaplicki | | | |
| | | Filing Date: 10/29/2003 | | Group: 1733 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----------------|---------|--------------------|-------|----------|----------------------------|--|
| *EXAMINER TRIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | 3,123,170 | Mar-64 | Bryant | | | | |
| | 3,493,257 | Feb-70 | Fitzgerald, et al. | | | | |
| | 3,665,968 | 5/30/72 | DePutter | | | | |
| | 4,019,301 | 4/26/77 | Fox | | | | |
| | 4,082,825 | 4/4/78 | Puterbaugh | | | | |
| | 4,238,540 | 12/9/80 | Yates, et al. | | | | |
| | 4,397,490 | Aug-83 | Evans, et al. | | | | |
| | 4,732,806 | 3/22/88 | Wycech | | | | |
| | 4,751,249 | Jun-88 | Wycech | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------|----------|---------|-------|----------|--------------------------|--------------------------|--|
| | Document Number | Date | Country | CLASS | SUBCLASS | TRANSLATION | | |
| | | | | | | YES | NO | |
| | EP 0 891 918 A1 | 1/20/99 | Europe | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | EP 0 893 331 A1 | 1/27/99 | Europe | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | EP 0 893 332 A1 | 1/27/99 | Europe | | | | | |
| | JP 5-38992 | Feb-93 | Japan | | | | | |
| | PCT/US97/07644 | 11/20/97 | PCT | | | | | |
| | PCT/US97/10693 | 6/25/97 | PCT | | | | | |
| | PCT/US97/19981 | 11/14/97 | PCT | | | | | |
| | PCT/US98/08980 | 11/12/98 | PCT | | | | | |
| | PCT/US98/16461 | 2/25/99 | PCT | | | | | |

| OTHER DOCUMENTS | | <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> |
|-----------------|--|---|
| | | |
| | | |
| | | |

| | |
|----------|------------------|
| EXAMINER | DATE CONSIDERED: |
| | |

| | | | | | | | |
|--|--|--------------------|------------------------------------|------------------|------------------------------|----------|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | Atty. Docket Number 1001-012C1 | | Serial Number: 10/696,314 | | |
| | | | Applicant(s): Michael J. Czaplicki | | | | |
| | | | Filing Date: 10/29/2003 | | Group: 1733 | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 4,762,352 | 8/9/88 | Enomoto | | | |
| | | 4,803,108 | 2/7/89 | Leuchten, et al. | | | |
| | | 4,836,516 | 6/6/89 | Wycech | | | |
| | | 4,853,270 | 8/1/89 | Wycech | | | |
| | | 4,861,097 | 8/29/89 | Wycech | | | |
| | | 4,898,630 | 2/6/90 | Kitoh, et al. | | | |
| | | 4,901,500 | Feb-90 | Wycech | | | |
| | | 4,908,930 | Mar-90 | Wycech | | | |
| | | 4,922,596 | 5/8/90 | Wycech | | | |
| | | 4,923,902 | 5/8/90 | Wycech | | | |
| | | 4,978,562 | 12/18/90 | Wycech | | | |
| | | 4,995,545 | 2/26/91 | Wycech | | | |
| | | 5,124,186 | Jun-92 | Wycech | | | |
| | | 5,213,391 | 5/25/93 | Takagi | | | |
| | | 5,255,487 | Oct-93 | Wieting, et al. | | | |
| | | 5,266,133 | 11/30/93 | Hanley, et al. | | | |
| | | 5,344,208 | 9/6/94 | Bien, et al. | | | |
| | | 5,373,027 | 12/13/94 | Hanley, et al. | | | |
| | | 5,395,135 | 3/7/95 | Lim, et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Document Number | Date | Country | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | | | | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

| | | | | | | | |
|--|--|--------------------|------------------------------------|---------------------|------------------------------|----------|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | Atty. Docket Number 1001-012C1 | | Serial Number: 10/696,314 | | |
| | | | Applicant(s): Michael J. Czaplicki | | | | |
| | | | Filing Date: 10/29/2003 | | Group: 1733 | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 5,506,025 | 4/9/96 | Otto, et al. | | | |
| | | 5,575,526 | 11/19/96 | Wycech | | | |
| | | 5,580,120 | 12/3/96 | Nees, et al. | | | |
| | | 5,707,098 | 1/13/98 | Uchida, et al. | | | |
| | | 5,725,272 | 3/10/98 | Jones | | | |
| | | 5,731,069 | 3/24/98 | Delle Donne, et al. | | | |
| | | 5,755,486 | 5/26/98 | Wycech | | | |
| | | 5,766,719 | 6/16/98 | Rimkus | | | |
| | | 5,785,376 | 7/28/98 | Nees, et al. | | | |
| | | 5,786,394 | 7/28/98 | Slaven | | | |
| | | 5,855,094 | 1/5/99 | Baudisch, et al. | | | |
| | | 5,884,960 | 3/23/99 | Wycech | | | |
| | | 5,885,688 | 3/23/99 | McLaughlin | | | |
| | | 5,888,600 | 3/30/99 | Wycech | | | |
| | | 5,934,737 | 8/10/99 | Abouzahr | | | |
| | | 5,984,389 | 11/16/99 | Nuber | | | |
| | | 5,992,923 | 11/30/99 | Wycech | | | |
| | | 6,003,274 | 12/21/99 | Wycech | | | |
| | | 6,022,066 | 2/8/00 | Tremblay, et al. | | | |
| | | 6,058,673 | 5/9/00 | Wycech | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Document Number | Date | Country | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | | | | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

| | | | | | | | |
|---|--|--|------------|--|-------|----------------------------------|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Atty. Docket Number: 1001-012C1 | | Serial Number: 10/696,314 | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | | Applicant(s): Michael J. Czaplicki | | | |
| | | | | Filing Date: 10/29/2003 | | Group: 1733 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 3,054,636 | 09/18/1962 | Wessells III | | | |
| | | 3,746,387 | 07/17/1973 | Schwenk | | | |
| | | 3,757,559 | 09/11/1973 | Welsh | | | |
| | | 3,890,108 | 06/17/1975 | Welsh | | | |
| | | 4,090,734 | 05/23/1978 | Inami et al. | | | |
| | | 4,378,395 | 03/29/1983 | Asoshina et al. | | | |
| | | 4,440,434 | 04/03/1984 | Celli | | | |
| | | 4,457,555 | 07/03/1984 | Draper | | | |
| | | 4,559,274 | 12/17/1985 | Kloppe et al. | | | |
| | | 4,610,836 | 09/09/1986 | Wycech | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | 628,863 | 03/28/1947 | U.K. | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | DE2919046 | 05/11/1979 | Germany | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 8028960 | 09/08/1980 | U.K. | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 82102135.9 | 03/16/1982 | Europe | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 8725028 | 10/26/1987 | U.K. | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 64-69309 | 03/15/1989 | Japan | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 64-69308 | 03/15/1989 | Japan | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 90202150.0 | 08/08/1990 | Europe | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 2-206537 | 08/16/1990 | Japan | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | Co-pending Application Serial No. 09/631,211; filed August 3, 2000 | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

| | | | | | | | |
|---|--|--------------------|------------|---|-------|---|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Atty. Docket Number: <div style="text-align: center;">1001-012C1</div> | | Serial Number: <div style="text-align: center;">10/696,314</div> | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | | Applicant(s): Michael J. Czaplicki | | | |
| | | | | Filing Date: <div style="text-align: center;">10/29/2003</div> | | Group: <div style="text-align: center;">1733</div> | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 4,613,177 | 09/23/1986 | Loren et al. | | | |
| | | 4,705,716 | 11/10/1987 | Tang | | | |
| | | 4,917,435 | 04/17/1990 | Bonnett et al. | | | |
| | | 4,989,913 | 02/05/1991 | Moore, III | | | |
| | | 5,102,188 | 04/07/1992 | Yamane | | | |
| | | 5,122,398 | 06/16/1992 | Seiler et al. | | | |
| | | 5,560,672 | 10/01/1996 | Lim et al. | | | |
| | | 5,642,914 | 07/01/1997 | Takabatake | | | |
| | | 5,648,401 | 07/15/1997 | Czaplicki et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | G9011147.8 | 09/24/1990 | Germany | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 91104546.6 | 03/22/1991 | Europe | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/AU92/00468 | 09/03/1992 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | 94101343.5 | 01/29/1994 | Europe | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | G9320333.0 | 06/21/1994 | Germany | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP95/00896 | 03/10/1995 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US96/11155 | 07/01/1996 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

| | | | | | | | |
|---|--|--|--|---|--|---|--|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Atty. Docket Number: <div style="text-align: center;">1001-012C1</div> | | Serial Number: <div style="text-align: center;">10/696,314</div> | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | | Applicant(s): Michael J. Czaplicki | | | |
| | | | | Filing Date: <div style="text-align: center;">10/29/2003</div> | | Group: <div style="text-align: center;">1733</div> | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|--------------------|------------|-----------------|-------|----------|-------------------------------|
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 5,649,400 | 07/22/1997 | Miwa | | | |
| | | 5,652,039 | 07/29/1997 | Tremain et al. | | | |
| | | 5,803,533 | 09/08/1998 | Schulz et al. | | | |
| | | 5,804,608 | 09/08/1998 | Nakazato et al. | | | |
| | | 5,806,915 | 09/15/1998 | Takabatake | | | |
| | | 5,806,919 | 09/15/1998 | Davies | | | |
| | | 5,866,052 | 02/02/1999 | Muramatsu | | | |
| | | 5,888,642 | 03/30/1999 | Meteer et al. | | | |
| | | 5,901,528 | 05/11/1999 | Richardson | | | |
| | | 5,904,024 | 05/18/1999 | Miwa | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--|-----------------|------------|---------|-------|----------|----------------------------|--------------------------|
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | |
| | | PCT/US98/17994 | 09/03/1998 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/00035 | 01/06/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/00770 | 01/14/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/01855 | 02/03/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/01865 | 02/09/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/04263 | 03/03/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/04279 | 03/29/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/10441 | 05/18/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/11195 | 05/20/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | PCT/US99/11194 | 05/20/1999 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |

| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | |
|---|--|--|
| | | |
| | | |
| | | |

| | |
|-----------------|-------------------------|
| EXAMINER | DATE CONSIDERED: |
|-----------------|-------------------------|

| | | | | | | | |
|---|--|--------------------|------------|---|-------|---|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Atty. Docket Number: <div style="text-align: center;">1001-012C1</div> | | Serial Number: <div style="text-align: center;">10/696,314</div> | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | | Applicant(s): Michael J. Czaplicki | | | |
| | | | | Filing Date: <div style="text-align: center;">10/29/2003</div> | | Group: <div style="text-align: center;">1733</div> | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 5,932,680 | 08/03/1999 | Heider | | | |
| | | 5,941,597 | 08/24/1999 | Horiuchi et al. | | | |
| | | 5,985,435 | 11/16/1999 | Czaplicki et al. | | | |
| | | 5,988,734 | 11/23/1999 | Longo et al. | | | |
| | | 5,994,422 | 11/30/1999 | Born et al. | | | |
| | | 6,004,425 | 12/21/1999 | Born et al. | | | |
| | | 6,033,300 | 03/07/2000 | Schneider | | | |
| | | 6,050,630 | 04/18/2000 | Hochet | | | |
| | | 6,059,342 | 05/09/2000 | Kawai et al. | | | |
| | | 6,068,424 | 05/30/2000 | Wycech | | | |
| | | 6,077,884 | 06/20/2000 | Hess et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | PCT/US99/11110 | 05/20/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/11109 | 05/20/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/CA99/00424 | 05/21/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP99/03832 | 06/02/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP99/06112 | 08/20/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/18820 | 08/26/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/18832 | 09/02/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP99/07143 | 09/25/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/24795 | 10/22/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

| | | | | | | | |
|---|--|--------------------|------------|------------------------------------|-------|------------------------------|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Atty. Docket Number: 1001-012C1 | | Serial Number: 10/696,314 | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | | Applicant(s): Michael J. Czaplicki | | | |
| | | | | Filing Date: 10/29/2003 | | Group: 1733 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 6,079,180 | 06/27/2000 | Wycech | | | |
| | | 6,082,811 | 07/04/2000 | Yoshida | | | |
| | | 6,090,232 | 07/18/2000 | Seeliger et al. | | | |
| | | 6,092,864 | 07/25/2000 | Wycech et al. | | | |
| | | 6,094,798 | 08/01/2000 | Seeliger et al. | | | |
| | | 6,096,403 | 08/01/2000 | Wycech et al. | | | |
| | | 6,096,791 | 08/01/2000 | Born et al. | | | |
| | | 6,099,948 | 08/08/2000 | Paver, Jr. | | | |
| | | 6,102,379 | 08/15/2000 | Ponslet et al. | | | |
| | | 6,102,473 | 08/15/2000 | Steininger et al. | | | |
| | | 6,103,341 | 08/15/2000 | Barz et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | PCT/EP99/09541 | 12/02/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP99/09732 | 12/10/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP99/09909 | 12/14/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/29987 | 12/17/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/29991 | 12/17/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/29986 | 12/17/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/29990 | 12/17/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US99/29992 | 12/17/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/DE99/04103 | 12/17/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

| | | | | | | | |
|---|--|--------------------|------------|---|-------|---|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Atty. Docket Number: <div style="text-align: center;">1001-012C1</div> | | Serial Number: <div style="text-align: center;">10/696,314</div> | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | | Applicant(s): Michael J. Czaplicki | | | |
| | | | | Filing Date: <div style="text-align: center;">10/29/2003</div> | | Group: <div style="text-align: center;">1733</div> | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 6,103,784 | 08/15/2000 | Hilborn et al. | | | |
| | | 6,110,982 | 08/29/2000 | Russick et al. | | | |
| | | 6,129,410 | 10/10/2000 | Kosaraju et al. | | | |
| | | 6,131,897 | 10/17/2000 | Barz et al. | | | |
| | | 6,135,542 | 10/24/2000 | Emmelmann et al. | | | |
| | | 6,149,227 | 11/21/2000 | Wycech | | | |
| | | 6,150,428 | 11/21/2000 | Hanley, IV et al. | | | |
| | | 6,152,260 | 11/28/2000 | Eipper et al. | | | |
| | | 6,153,709 | 11/28/2000 | Xiao et al. | | | |
| | | 6,165,588 | 12/26/2000 | Wycech | | | |
| | | 6,168,226 | 01/02/2001 | Wycech | | | |
| | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | PCT/EP99/10151 | 12/21/1999 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US00/00010 | 01/03/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP00/00021 | 01/04/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US00/01644 | 01/26/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US00/00497 | 01/27/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/US00/02631 | 02/02/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/EP00/01474 | 02/23/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| | | PCT/AT00/00123 | 05/05/2000 | PCT | | | <input type="checkbox"/> <input type="checkbox"/> |
| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED: | | | |

*Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|---|---|--------------------------|----------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Complete if Known | |
| Sheet | 1 | of | 3 |
| | | Application Number | 10/696,314 |
| | | Filing Date | 10/29/2003 |
| | | First Named Inventor | Michael J. Czaplicki |
| | | Group Art Unit | 1733 |
| | | Examiner Name | Unknown |
| | | Attorney Docket Number | 1001-012C1 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | | 1,814,677 | | A. Fennema | 05/03/1930 | |
| | | 4,029,128 | | Yamagishi | 06/14/1977 | |
| | | 4,083,384 | | Horne et al. | 04/11/1978 | |
| | | 4,463,870 | | Coburn, Jr. et al. | 08/07/1984 | |
| | | 4,695,343 | | Wycech | 09/22/1987 | |
| | | 4,769,391 | | Wycech | 09/06/1988 | |
| | | 4,813,690 | | Coburn, Jr. | 03/21/1989 | |
| | | 4,901,395 | | Semrau | 02/20/1990 | |
| | | 4,946,737 | | Lindeman et al. | 08/07/1990 | |
| | | 4,984,406 | | Friesen | 01/15/1991 | |
| | | 5,040,803 | | Cieslik et al. | 08/20/1991 | |
| | | 5,072,952 | | Irrgeher et al. | 12/17/1991 | |
| | | 5,358,397 | | Ligon et al. | 10/25/1994 | |
| | | 5,382,397 | | Turner, Jr. | 01/17/1995 | |
| | | 5,577,784 | | Nelson | 11/26/1996 | |
| | | 5,819,408 | | Catlin | 10/13/1998 | |
| | | 5,851,626 | | McCorry et al. | 12/22/1998 | |
| | | 5,871,849 | | Lepine | 02/16/1999 | |
| | | 5,878,784 | | Sales et al. | 03/09/1999 | |
| | | 5,894,071 | | Merz et al. | 04/13/1999 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | | 2 539 693 | | Regie Nat. Des Usi | 01/25/1983 | | |
| | | | GB 2 156 412 A | | BKL Extrusions | 10/09/1985 | | |
| | | | DE 3627725 A1 | | Daimler-Benz AG | 02/25/1988 | | |
| | | | WO 01/57130 | | Denovus LLC | 08/09/2001 | | |
| | | | WO 01/54936 | | Sika Corporation | 08/02/2001 | | |
| | | | WO 01/56845 | | Sika Corporation | 08/09/2001 | | |
| | | | WO 01/71225 | | Sika Corporation | 09/27/2001 | | |
| | | | DE 198 12 288 C1 | | Moeller Plast | 05/27/1999 | | X |
| | | | WO 00/37302 | | Opel | 06/29/2000 | | X |
| | | | DE 196 48 164A1 | | Wilhelm Karmann | 05/28/1998 | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|--------------------------|------------------------|----------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete if Known | | |
| Sheet | 2 | of | 3 | Application Number | 10/696,314 |
| | | | | Filing Date | 10/29/2003 |
| | | | | First Named Inventor | Michael J. Czaplicki |
| | | | | Group Art Unit | 1733 |
| | | | | Examiner Name | Unknown |
| | | | | Attorney Docket Number | 1001-012C1 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | | 5,901,752 | | Lundman | 05/11/1999 | |
| | | 6,006,484 | | Geissbuhler | 12/28/1999 | |
| | | 6,053,210 | | Chapman et al. | 04/25/2000 | |
| | | 6,073,991 | | Naert | 06/2000 | |
| | | 6,146,565 | | Keller | 11/14/2000 | |
| | | 6,174,932 | | Pachl et al. | 01/16/2001 | |
| | | 6,189,953 | | Wycech | 02/20/2001 | |
| | | 6,196,621 | | VanAssche et al. | 03/06/2001 | |
| | | 6,197,403 | | Brown et al. | 03/06/2001 | |
| | | 6,199,940 | | Hopton et al. | 03/13/2001 | |
| | | 6,232,433 | | Narayan | 05/15/2001 | |
| | | 6,233,826 | | Wycech | 05/22/2001 | |
| | | 6,237,304 | | Wycech | 05/29/2001 | |
| | | 6,247,287 | | Takabatake | 06/2001 | |
| | | 6,253,524 | | Hopton et al. | 07/03/2001 | |
| | | 6,263,635 | | Czaplicki | 07/24/2001 | |
| | | 6,270,600 | | Wycech | 08/07/2001 | |
| | | 6,272,809 | | Wycech | 08/14/2001 | |
| | | 6,276,105 | | Wycech | 08/21/2001 | |
| | | 6,277,898 | | Pachl et al. | 08/21/2001 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | WO | 99/28575 | | Sika AG | 06/10/1999 | | |
| | | WO | 00/03894 | | Cascade Engineerin | 01/27/2000 | | |
| | | wo | 01/83206 | | Sika Corporation | 11/08/2001 | | |
| | | JP | 61 118 211 | | Toyota | 06/05/1986 | | |
| | | JP | 01 164 867 | | Toyota | 06/28/1989 | | |
| | | DE | 40 28 895 C1 | | Mercedes-Benz | 02/20/1992 | | |
| | | wo | 95/32110 | | Wycech, Joseph S. | 05/08/1995 | | |
| | | EP | 0 775 721 A1 | | Mitsubishi | 05/28/1997 | | |
| | | FR | 2 749 263 A1 | | Renault | 12/05/1997 | | X |
| | | DE | 198 56 255 C1 | | Moeller Plast | 01/20/2000 | | X |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|--------------------------|------------------------|----------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete if Known | | |
| Sheet | 3 | of | 3 | Application Number | 10/696,314 |
| | | | | Filing Date | 10/29/2003 |
| | | | | First Named Inventor | Michael J. Czaplicki |
| | | | | Group Art Unit | 1733 |
| | | | | Examiner Name | Unknown |
| | | | | Attorney Docket Number | 1001-012C1 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | | 6,281,260 | | Hanley, IV et al. | 08/28/2001 | |
| | | 6,287,666 | | Wycech | 09/11/2001 | |
| | | 6,296,298 | | Barz | 10/02/2001 | |
| | | 6,305,136 | | Hopton et al. | 10/23/2001 | |
| | | 6,311,452 | | Barz et al. | 11/06/2001 | |
| | | 6,315,938 | | Jandali | 11/13/2001 | |
| | | 6,319,964 | | Blank et al. | 11/20/2001 | |
| | | 6,321,793 | | Czaplicki et al. | 11/27/2001 | |
| | | 3,868,796 | | Bush | 03/04/1975 | |
| | | 4,378,395 | | Asoshina et al. | 03/29/1983 | |
| | | 6,303,672 | | Papalos et al. | 10/16/2001 | |
| | | 6,332,731 | | Wycech | 12/25/2001 | |
| | | 6,341,467 | | Wycech | 01/29/2002 | |
| | | 6,348,513 | | Hilborn et al. | 02/19/2002 | |
| | | 5,902,656 | | Hwang | 05/1999 | |
| | | 5,194,199 | | Thum | 03/16/1993 | |
| | | 5,660,116 | | Dannawi et al. | 08/26/1997 | |
| | | 6,486,256 | | Tabutton et al. | 11/26/2002 | |
| | | 6,183,013 | | Mackenzie et al. | 02/06/2001 | |
| | | 6,216,509 | | Lotspaih et al. | 04/17/2001 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------|-------------------------|---------------|--------------------------|--|--|--|----|
| Examiner Initials* | Cite No.¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T6 |
| | | Office³ | Number⁴ | Kind Code⁵ (if known) | | | | |
| | | WO | 00/12595 | | Henkel Corporation | 04/09/2000 | | |
| | | WO | 00/27920 | | Sika | 05/18/2000 | | |
| | | DE | 198 58 903 A1 | | Opel | 06/21/2000 | | |
| | | wo | 99/48746 | | Moller Plast Gmbh | 09/30/1999 | | |
| | | JP | 2001191947 | | Honda Motor Co. Ltd. | 07/17/2001 | | |
| | | EP | 0 236 291 | | Austria Metall Aktiengesellschaft | 09/09/1987 | | |
| | | DE | 196 44 047 A1 | | Bayerische Motoren Werke AG | 05/07/1998 | | |
| | | wo | 98/36944 | | Raychem Corporation | 08/27/1998 | | |
| | | wo | 00/43254 | | Henkel Corporation | 07/27/2000 | | |
| | | wo | 00/55444 | | L&L Products, Inc. | 09/21/2000 | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | | | | | | | | | | | |
|--|----------------------|--|---|--------------------|------------|-------------|------------|----------------------|----------------------|----------------|------|---------------|---------|------------------------|------------|
| Substitute for form 1449A/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 5px 0;">(use as many sheets as necessary)</p> | | <div style="text-align: center; font-weight: bold; margin-bottom: 5px;">Complete if Known</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/696,314</td> </tr> <tr> <td>Filing Date</td> <td>10/29/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Michael J. Czaplicki</td> </tr> <tr> <td>Group Art Unit</td> <td>1733</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>1001-012C1</td> </tr> </table> | | Application Number | 10/696,314 | Filing Date | 10/29/2003 | First Named Inventor | Michael J. Czaplicki | Group Art Unit | 1733 | Examiner Name | Unknown | Attorney Docket Number | 1001-012C1 |
| Application Number | 10/696,314 | | | | | | | | | | | | | | |
| Filing Date | 10/29/2003 | | | | | | | | | | | | | | |
| First Named Inventor | Michael J. Czaplicki | | | | | | | | | | | | | | |
| Group Art Unit | 1733 | | | | | | | | | | | | | | |
| Examiner Name | Unknown | | | | | | | | | | | | | | |
| Attorney Docket Number | 1001-012C1 | | | | | | | | | | | | | | |
| Sheet | 1 | of | 1 | | | | | | | | | | | | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | | D457,120 S | | Broccardo et al. | 05/14/2002 | |
| | | 5,931,474 | | Chang et al. | 08/03/1999 | |
| | | 6,368,438 | | Chang et al. | 04/09/2002 | |
| | | 6,372,334 | | Wycech | 04/16/2002 | |
| | | 6,382,635 | | Fitzgerald | 05/07/2002 | |
| | | 6,389,775 | | Steiner et al. | 05/21/2002 | |
| | | 6,406,078 | | Wycech | 06/18/2002 | |
| | | 6,413,611 | | Roberts et al. | 07/02/2002 | |
| | | 3,649,375 | | P.S. Venkatesan | 03/14/1972 | |
| | | 5,884,960 | | Wycech | 03/23/1999 | |
| | | 5,474,721 | | Stevens | 12/1995 | |
| | | 5,885,494 | | Venkataraman et al. | 03/1999 | |
| | | 6,467,834 | | Barz et al. | 10/2002 | |
| | | 6,471,285 | | Czaplicki et al. | 10/2002 | |
| | | 6,482,486 | | Czaplicki et al. | 11/2002 | |
| | | 5,475,911 | | Wells et al. | 12/1995 | |
| | | 6,254,488 | | Hill | 07/2001 | |
| | | 2002/0053179 | | Wycech | 05/09/2002 | |
| | | 2002/0054988 | | Wycech | 05/09/2002 | |
| | | 2002/0074827 | | Fitzgerald et al. | 06/20/2002 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | EP | 0 893 332 B1 | | Henkel Corporation | 01/27/1999 | | |
| | | EP | 1 122 156 A2 | | Sika Corporation | 08/08/2001 | | |
| | | JP | 02001191949A | | Neoex Lab Inc. | 07/17/2001 | | |
| | | wo | 99/20516 | | Cosma International Inc. | 04/29/1999 | | |
| | | wo | 87/01978 | | Gesenkschmiede Schneider | 04/09/1987 | | |
| | | wo | 89/06595 | | Sekisui Kagaku Kogyo | 07/27/1989 | | |
| | | DE | 19635734 | A1 | Ebbinghaus, Alfred | 04/03/1997 | | |
| | | DE | 29904705 | U1 | Mannesmann AG | 06/17/1999 | | |
| | | EP | 0679501 | A1 | Ymos Aktiengesellschaft | 11/02/1995 | | |
| | | DE | 19753658 | A1 | Fraunhofer-Gesellschaft zur | 06/17/1999 | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|--------------------------|------------------------|----------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete if Known | | |
| Sheet | 1 | of | 1 | Application Number | 10/696,314 |
| | | | | Filing Date | 10/29/2003 |
| | | | | First Named Inventor | Michael J. Czaplicki |
| | | | | Group Art Unit | 1733 |
| | | | | Examiner Name | Unknown |
| | | | | Attorney Docket Number | 1001-012C1 |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | | 6,358,584 | | Czaplicki | 03/19/2002 | |
| | | 6,383,610 | | Barz et al. | 05/07/2002 | |
| | | 6,422,575 | | Czaplicki et al. | 07/23/2002 | |
| | | 6,419,305 | | Larsen | 07/16/2002 | |
| | | 6,474,722 | | Barz | 11/2002 | |
| | | 6,482,486 | | Czaplicki et al. | 11/19/2002 | |
| | | 6,467,834 | | Barz et al. | 10/22/2002 | |
| | | 6,471,285 | | Czaplicki et al. | 10/29/2002 | |
| | | 6,474,723 | | Czaplicki et al. | 11/05/2002 | |
| | | 6,619,727 | | Barz et al. | 09/16/2003 | |
| | | 6,641,208 | | Czaplicki et al. | 11/04/2003 | |
| | | 6,668,457 | | Czaplicki | 12/30/2003 | |
| | | 6,692,347 | | Schneider | 02/17/2004 | |
| | | 6,634,698 | | Kleino | 10/21/2003 | |
| | | 6,502,821 | | Schneider | 01/07/2003 | |
| | | 6,620,501 | | Kassa et al. | 09/16/2003 | |
| | | 6,682,818 | | Czaplicki et al. | 01/27/2004 | |
| | | 6,729,425 | | Schneider et al. | 05/04/2004 | |
| | | 2004/0074150 | | Wycech | 04/22/2004 | |
| | | 2002/0074827 | | Fitzgerald et al. | 06/20/2002 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | EP | 1 362 683 | A2 | L&L Products, Inc. | 11/19/2003 | | |
| | | EP | 1 362 769 | A1 | L&L Products, Inc. | 11/19/2003 | | |
| | | WO | 03/042024 | A1 | L&L Products, Inc. | 05/22/2003 | | |
| | | DE | 42 27 393 | A1 | Volkswagen AG | 03/04/1993 | | |
| | | EP | 1 366 960 | A1 | Hexcel Corporation | 12/03/2003 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

+

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

(use as many sheets as necessary)

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

| | |
|-------------------------------|----------------------|
| Application Number | 10/696,314 |
| Filing Date | 10/29/2003 |
| First Named Inventor | Michael J. Czaplicki |
| Group Art Unit | 1733 |
| Examiner Name | Unknown |
| Attorney Docket Number | 1001-012C1 |

[illegible][illegible]

| | |
|------------|--|
| Date | |
| Considered | |

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

+

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|--------------------------|----------------------|------------------------|------------|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/696,314 | | |
| | | Filing Date | 10/29/2003 | | |
| | | First Named Inventor | Michael J. Czaplicki | | |
| | | Group Art Unit | 1733 | | |
| | | Examiner Name | Unknown | | |
| Sheet | 1 | of | 0 | Attorney Docket Number | 1001-012C1 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | International Search Report dated October 19, 2001 | |
| | | Written Opinion dated December 31, 2001. | |
| | | International Preliminary Examination Report dated April 19, 2002 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.